

R7-2-611. Career and Technical Education Teaching Certificates

A. Except as noted, all certificates are subject to the general certification provisions in R7-2-607 and the renewal requirements in R7-2-617.

B. A provisional career and technical education certificate shall be renewed once for two years upon completion of nine semester hours of courses required for the standard career and technical education certificate in the same career and technical education area. Courses should be completed since the most recent issuance of the provisional certificate.

C. For purposes of this rule, the following definitions apply:

1. "Agriculture" means agriculture, agriculture operations, and related sciences; natural resources and conservation; environmental design; landscape architecture; agricultural biological engineering and bioengineering; forest engineering, biological and biomedical sciences; parks, recreation and leisure studies; geological and earth sciences/geosciences; veterinary/animal health technology/technician and veterinary assistant; environmental health; veterinary medicine; veterinary biomedical and clinical sciences; and veterinary residency programs as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165), U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Codes 01, 03, 04.04, 04.06, 14.03, 14.34, 26, 31.0101, 40.06, 51.0808, 51.2202, 51.24, 51.25, 60.03, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.
2. "Business and Marketing" means computer and information sciences and support services; computer engineering technologies/technicians; apparel and textile marketing management; accounting and computer science; business/commerce, general; business administration, management and operations; accounting and related services; business operations support and assistant services; business/corporate communications; business/managerial economics; entrepreneurial and small business operations; finance and financial management services; hospitality administration/management; human resources management and services; international business; management information systems and services; management sciences and quantitative methods; marketing; real estate; taxation; insurance; general sales, merchandising and related marketing operations; specialized sales, merchandising and marketing operations; and business, management, marketing

and related support services, other as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165), U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Codes 11, 15.12, 19.0905, 30.16, 52.01-52.19 and 52.99, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.

3. "Family and Consumer Sciences" means culinary arts and related services; kindergarten/preschool education and teaching; early childhood education and teaching; family and consumer sciences/human sciences; nutrition sciences; interior design; hospitality administration/management; fashion merchandising; fashion modeling; apparel and accessories marketing operations; tourism and travel services marketing operations; tourism promotion operations; and hospitality and recreation marketing operations as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Codes 12.05, 13.1209, 13.1210, 19, 30.19, 50.0408, 52.09, 52.1902-52.1906, and 52.1910, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.
4. "Health Careers" means exercise physiology; kinesiology and exercise science; medical/clinical assistant; clinical/medical laboratory assistant; pharmacy technician/assistant; medical radiologic technology/science-radiation therapist; radiologic technology/science-radiographer; physician assistant; athletic training/trainer; clinical/medical laboratory technician; clinical laboratory science/medical technology/technologist; phlebotomy/phlebotomist; medicine; nursing/registered nurse; osteopathic medicine/osteopathy; pharmacy; physical therapy/therapist; and kinesiotherapy/kinesiotherapist as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Codes 26.0908, 31.0505, 51.0801, 51.0802, 51.0805, 51.0907, 51.0911, 51.0912, 51.0913, 51.1004, 51.1005, 51.1009, 51.12, 51.1601, 51.19, 51.2001, 51.2308 and 51.2311 which is incorporated by reference and on file

with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.

5. "Industrial Technology" means audiovisual communications technologies/technicians; graphic communications; cosmetology and related personal grooming services; electrical engineering technologies/technicians; electromechanical instrumentation and maintenance technologies/technicians; environmental control technologies/technicians; industrial production technologies/technicians; quality control and safety technologies/technicians; mechanical engineering related technologies/technicians; mining and petroleum technologies/technicians; construction engineering technologies; engineering-related technologies; computer engineering technologies/technicians; drafting/design engineering technologies/technicians; security and protective services; mason/masonry; carpenters; electrical and power transmission installers; building/construction finishing, management and inspection; electrical/electronics maintenance and repair technology; heating, air conditioning, ventilation and refrigeration maintenance technology/technician; heavy/industrial equipment maintenance technologies; precision systems maintenance and repair technologies; vehicle maintenance and repair technologies; precision metal working; construction/heavy equipment/earthmoving equipment operation; design and visual communications, general; commercial and advertising art; industrial design; and commercial photography as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Codes 10.02-10.03, 12.04, 15.03-15.13, 43, 46.01-46.04, 47.01-47.06, 48.05, 49.0202, and 50.0401-50.0406, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.
6. "Occupations" means employment in any of the areas identified in R7-2-611(C)(1) through (5) relating to Agriculture, Business and Marketing, Family and Consumer Sciences, Health Careers, or Industrial Technology.
7. "Professional Knowledge" means the art of teaching including the knowledge and skills necessary for instructional planning, delivery and evaluation in a career and technical education setting.

8. "Subject Knowledge" means the information, understanding and skills specific to the broad course of study.
9. "Verified Experience" means written documentation from a current or former employer, a current school superintendent, the Department of Education Career and Technical Education Programmatic State Supervisor, or self employment tax forms that indicate that an applicant for a career and technical education certificate performed work in a business or industry setting related to the program to be taught as identified in R7-2-611(C)(1) through (5).

D. Provisional Career and Technical Education Certificate - Agriculture -- grades K-12

1. The certificate is valid for two years.
2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and
 - b. One of the following options:
 - i. Option A:
 - (1) A Bachelor's degree;
 - (2) Thirty semester hours of courses in agriculture with at least five semester hours of courses in three of the following areas: animal science; plant science including soils; agricultural engineering or mechanics; economics or agricultural economics; or agricultural or natural resources; and
 - (3) Two-hundred-forty clock hours of verified experience in agriculture occupations.
 - ii. Option B:
 - (1) A valid Arizona standard secondary teaching certificate issued pursuant to this Article;
 - (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the Arizona standard secondary teaching certificate exhibiting satisfactory performance in the classroom;
 - (3) Three semester hours of courses in career and technical agricultural education methods; and
 - (4) Four-hundred-eighty clock hours of verified experience in agriculture occupations.
 - iii. Option C:

Six thousand clock hours of verified experience in agriculture occupations.
 - iv. Option D:

A valid teaching certificate in career and technical agriculture education from another state.

3. The holder of this certificate shall receive a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers before the renewal of the provisional career and technical education certificate - Agriculture or the issuance of the standard career and technical education certificate - Agriculture. A person holding this certificate pursuant to Option D shall not be required to take the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers if the person has passed a component on a proficiency assessment that has been adopted by a state board of education or equivalent agency in another state and that the Board in this state has determined to be equivalent to the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers.

E. Standard Career and Technical Education Certificate - Agriculture -- grades K-12

1. The certificate is valid for six years.
2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and
 - b. One of the following options:
 - i. Option A:
 - (1) Qualification under Option A for the provisional career and technical education certificate - Agriculture; and
 - (2) Twenty-one semester hours of courses, to include the following areas: methods of teaching agriculture, curriculum and materials of instruction, career and technical education classroom management including laboratory safety, operation of a career and technical student organization, experiential education, and practicum in agriculture in grades K-12. Two years of experience teaching agriculture in grades K-12 may substitute for the practicum.
 - ii. Option B:
 - (1) Qualification under Option B for the provisional career and technical education certificate - Agriculture;
 - (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Agriculture exhibiting satisfactory performance in the classroom; and
 - (3) Fifteen semester hours of courses to include:
 - (a) Nine semester hours of courses in agriculture subject knowledge;

(b) Three semester hours of courses in career and technical classroom management including laboratory safety; and

(c) Three semester hours of courses in the operation of a career and technical student organization.

iii. Option C:

(1) Qualification under Option C for the provisional career and technical education certificate - Agriculture;

(2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Agriculture exhibiting satisfactory performance in the classroom;

(3) Fifteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching agriculture, curriculum design/development, instructional design/methodology, assessment/evaluation, instructional technology, educational philosophy, or career and technical education classroom management including laboratory safety; and

(4) Nine semester hours of courses in agriculture subject knowledge.

iv. Option D:

(1) Qualification under Option D for the provisional career and technical education certificate - Agriculture; and

(2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Agriculture exhibiting satisfactory performance in the classroom.

F. Provisional Career and Technical Education Certificate - Business and Marketing -- grades K-12

1. The certificate is valid for two years.

2. The requirements are:

a. A valid Class 1 or Class 2 fingerprint clearance card; and

b. One of the following options:

i. Option A:

- (1) A Bachelor's or more advanced degree in business, business education, marketing or marketing education; and
- (2) Two-hundred-forty clock hours of verified experience in business/marketing occupations or a practicum in the areas of business/marketing occupations.

ii. Option B:

- (1) A valid Arizona standard secondary teaching certificate issued pursuant to this Article;
- (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the Arizona standard secondary teaching certificate exhibiting satisfactory performance in the classroom;
- (3) Three semester hours of courses in career and technical business or marketing education methods; and
- (4) Four-hundred-eighty clock hours of verified experience in business/marketing occupations.

iii. Option C:

Six thousand clock hours of verified experience in business/marketing occupations.

iv. Option D:

A valid teaching certificate in business education, marketing education, career and technical business education or career and technical marketing education from another state.

3. The holder of this certificate shall receive a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers before the renewal of the provisional career and technical education certificate - Business and Marketing or the issuance of the standard career and technical education certificate - Business and Marketing. A person holding this certificate pursuant to Option D shall not be required to take the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers if the person has passed a component on a proficiency assessment that has been adopted by a state board of education or equivalent agency in another state and that the Board in this state has determined to be equivalent to the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers.

G. Standard Career and Technical Education Certificate - Business and Marketing -- grades K-12

1. The certificate is valid for six years.
2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and

b. One of the following options:

i. Option A:

- (1) Qualification under Option A for the provisional career and technical education certificate - Business and Marketing; and
- (2) Eighteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching business or marketing, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation, or classroom management.

ii. Option B:

- (1) Qualification under Option B for the provisional career and technical education certificate - Business and Marketing;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Business and Marketing exhibiting satisfactory performance in the classroom; and
- (3) Twelve semester hours to include:
 - (a) Nine semester hours of courses in business or marketing subject knowledge; and
 - (b) Three semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching business or marketing, curriculum design/development, instructional technology, classroom management, educational philosophy, instructional design/methodology, or assessment/evaluation.

iii. Option C:

- (1) Qualification under Option C for the provisional career and technical education certificate - Business and Marketing;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Business and Marketing exhibiting satisfactory performance in the classroom;

- (3) Fifteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching business or marketing, curriculum design/development, instructional design/methodology, assessment/evaluation, instructional technology, educational philosophy or career and technical education classroom management; and
- (4) Nine semester hours of courses in business or marketing subject knowledge.

iv. Option D:

- (1) Qualification under Option D for the provisional career and technical education certificate - Business and Marketing; and
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Business and Marketing exhibiting satisfactory performance in the classroom.

H. Provisional Career and Technical Education Certificate - Family and Consumer Sciences -- grades K-12

1. The certificate is valid for two years.

2. The requirements are:

a. A valid Class 1 or Class 2 fingerprint clearance card; and

b. One of the following options:

i. Option A:

- (1) A Bachelor's degree;
- (2) Thirty semester hours of courses in family and consumer sciences that includes instruction in each of the following: human development; family or human relations; clothing, textiles or fashion merchandising; nutrition or food preparation; facility management, housing or interior design; consumer economics, family resources, personal finance or family financial management; food production or culinary arts; and child development; and
- (3) Two-hundred-forty clock hours of verified experience in family and consumer sciences occupations.

ii. Option B:

- (1) A valid Arizona standard secondary teaching certificate issued pursuant to this Article;

- (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the Arizona standard secondary teaching certificate exhibiting satisfactory performance in the classroom;
- (3) Three semester hours of courses in career and technical occupational family and consumer sciences education methods; and
- (4) Four-hundred-eighty clock hours of verified experience in family and consumer sciences occupations.

iii. Option C:

Six thousand clock hours of verified experience in family and consumer sciences occupations.

iv. Option D:

A valid teaching certificate in career and technical family and consumer sciences education from another state.

3. The holder of this certificate shall receive a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers before the renewal of the provisional career and technical education certificate - Family and Consumer Sciences or the issuance of the standard career and technical education certificate - Family and Consumer Sciences. A person holding this certificate pursuant to Option D shall not be required to take the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers if the person has passed a component on a proficiency assessment that has been adopted by a state board of education or equivalent agency in another state and that the Board in this state has determined to be equivalent to the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers.

I. Standard Career and Technical Education Certificate - Family and Consumer Sciences -- grades K-12

- 1. The certificate is valid for six years.
- 2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and
 - b. One of the following options:
 - i. Option A:
 - (1) Qualification under Option A for the provisional career and technical education certificate - Family and Consumer Sciences; and

- (2) Eighteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching occupational family and consumer sciences, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation or classroom management including laboratory safety.

ii. Option B:

- (1) Qualification under Option B for the provisional career and technical education certificate - Family and Consumer Sciences;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Family and Consumer Sciences exhibiting satisfactory performance in the classroom; and
- (3) Twelve semester hours of courses to include:
 - (a) Nine semester hours of courses in family and consumer sciences subject knowledge; and
 - (b) Three semester hours of courses in career and technical education classroom management including laboratory safety.

iii. Option C:

- (1) Qualification under Option C for the provisional career and technical education certificate - Family and Consumer Sciences;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Family and Consumer Sciences exhibiting satisfactory performance in the classroom;
- (3) Fifteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching occupational family and consumer sciences, curriculum design/development, instructional design/methodology, assessment/evaluation, instructional technology, educational philosophy or career and technical education classroom management including laboratory safety; and
- (4) Nine semester hours of courses in family and consumer sciences subject knowledge.

iv. Option D:

- (1) Qualification under Option D for the provisional career and technical education certificate - Family and Consumer Sciences; and
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Family and Consumer Sciences exhibiting satisfactory performance in the classroom.

J. Provisional Career and Technical Education Certificate - Health Careers -- grades K-12.

1. The certificate is valid for two years.

2. The requirements are:

a. A valid Class 1 or Class 2 fingerprint clearance card; and

b. One of the following options:

i. Option A:

- (1) A Bachelor's or more advanced degree in a biological science, health science, physical science, or nursing; and
- (2) Six thousand clock hours of verified experience in health careers occupations.

ii. Option B:

- (1) A valid Arizona standard secondary teaching certificate issued pursuant to this Article;
- (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator or the administrator's designee, in a secondary school setting and issued during the term of the Arizona standard secondary teaching certificate exhibiting satisfactory performance in the classroom;
- (3) Three semester hours of courses in career and technical education methods; and
- (4) Six thousand clock hours of verified experience in health careers occupations.

iii. Option C:

Six thousand clock hours of verified experience in health careers occupations.

iv. Option D:

A valid teaching certificate in career and technical health careers education from another state.

3. The holder of this certificate shall receive a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers before the renewal of the provisional career and technical education certificate - Health Careers or the issuance of the standard career and technical education

certificate - Health Careers. A person holding this certificate pursuant to Option D shall not be required to take the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers if the person has passed a component on a proficiency assessment that has been adopted by a board of education or equivalent agency in another state and that the state Board in this state has determined to be equivalent to the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers.

K. Standard Career and Technical Education Certificate - Health Careers -- grades K-12

1. The certificate is valid for six years.

2. The requirements are:

a. A valid Class 1 or Class 2 fingerprint clearance card; and

b. One of the following options:

i. Option A:

(1) Qualification under Option A for the provisional career and technical education certificate - Health Careers; and

(2) Eighteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation or classroom management including laboratory safety.

ii. Option B:

(1) Qualification under Option B for the provisional career and technical education certificate - Health Careers;

(2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designed, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Health Careers exhibiting satisfactory performance in the classroom; and

(3) Twelve semester hours of courses to include:

(a) Nine semester hours of courses in health careers subject knowledge- or an approved health careers industry- recognized certification or license; and

- (b) Three semester hours of courses in career and technical education classroom management including laboratory safety.

iii. Option C:

- (1) Qualification under Option C for the provisional career and technical education certificate - Health Careers;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Health Careers exhibiting satisfactory performance in the classroom;
- (3) Fifteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum design/development, instructional design/methodology, assessment/evaluation, instructional technology, educational philosophy or career and technical education classroom management including laboratory safety; and
- (4) Nine semester hours of courses in health careers subject knowledge- or an approved health careers industry- recognized certification or license.

iv. Option D:

- (1) Qualification under Option D for the provisional career and technical education certificate - Health Careers; and
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Health Careers exhibiting satisfactory performance in the classroom.

L. Provisional Career and Technical Education Certificate - Industrial Technology -- grades K-12

- 1. The certificate is valid for two years.
- 2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and
 - b. One of the following options:
 - i. Option A:

- (1) A Bachelor's or more advanced degree in Industrial Arts or Industrial Technology Education;
and
- (2) Two-hundred-forty clock hours of verified experience in industrial technology occupations.

ii. Option B:

- (1) A valid Arizona standard secondary teaching certificate issued pursuant to this Article;
- (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the Arizona standard secondary teaching certificate exhibiting satisfactory performance in the classroom;
- (3) Three semester hours of courses in career and technical education methods; and
- (4) Four-hundred-eighty clock hours of verified experience in industrial technology occupations.

iii. Option C:

Six thousand clock hours of verified experience in industrial technology occupations.

iv. Option D:

A valid teaching certificate in career and technical industrial arts education or career and technical industrial technology education from another state.

3. The holder of this certificate shall receive a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers before the renewal of the provisional career and technical education certificate - Industrial Technology or the issuance of the standard career and technical education certificate - Industrial Technology. A person holding this certificate pursuant to Option D shall not be required to take the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers if the person has passed a component on a proficiency assessment that has been adopted by a state board of education or equivalent agency in another state and that the Board in this state has determined to be equivalent to the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers.

M. Standard Career and Technical Education Certificate - Industrial Technology -- grades K-12

1. The certificate is valid for six years.
2. The requirements are:
 - a. A valid Class 1 or Class 2 fingerprint clearance card; and
 - b. One of the following options:
 - i. Option A:

- (1) Qualification under Option A for the provisional career and technical education certificate - Industrial Technology; and
- (2) Eighteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation, or classroom management including laboratory safety.

ii. Option B:

- (1) Qualification under Option B for the provisional career and technical education certificate - Industrial Technology;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Industrial Technology exhibiting satisfactory performance in the classroom; and
- (3) Twelve semester hours of courses to include:
 - (a) Nine semester hours of courses in industrial technology subject knowledge- or an approved industrial technology industry- recognized certification or license; and
 - (b) Three semester hours of courses in career and technical education classroom management including laboratory safety.

iii. Option C:

- (1) Qualification under Option C for the provisional career and technical education certificate - Industrial Technology;
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Industrial Technology exhibiting satisfactory performance in the classroom;
- (3) Fifteen semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum

design/development, instructional design/methodology, assessment/evaluation, instructional technology, educational philosophy or career and technical education classroom management including laboratory safety; and

- (4) Nine semester hours of courses in industrial technology subject knowledge- or an approved industrial technology industry- recognized certification or license.

iv. Option D:

- (1) Qualification under Option D for the provisional career and technical education certificate - Industrial Technology; and
- (2) Two years of teacher evaluation(s) approved by a certificated administrator, or the administrator's designee, in a secondary school setting and issued during the term of the provisional career and technical education certificate - Industrial Technology exhibiting satisfactory performance in the classroom.